

Date: Tue, 12 Oct 93 13:42:49 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1215
To: Info-Hams

Info-Hams Digest Tue, 12 Oct 93 Volume 93 : Issue 1215

Today's Topics:

ATV on 439.25
idea for ground radials
I LOVE CW!!!!

Imminent Death of Ham Radio: 2m HT in Penney's Christmas Catalog

Looking for Memphis area hams
Motorola (Another Opinion...)

Multiband Antennas cont'd Multi-Length Antenna Radials

Need info on Kenwood TM-742A Tri-Bander

Newsline #842 (2 msgs)

Repeaters for Princeton, NJ?

SSC 7.0 fax software comments??

When is Dayton??

Yaesu FT530 AM receive

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>

Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 12 Oct 1993 16:07:42 GMT

From: dog.ee.lbl.gov!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!uchinews!att-out!cbnewsj!ker@network.ucsd.edu
Subject: ATV on 439.25
To: info-hams@ucsd.edu

Recently, one of our "friendly" (sarcasm intended) hams put an ATV transmitter on the air on 439.25 in close proximity to our 440 repeater which has its input on 443.875. Simultaneously with the start of

operation of his setup we started getting a "buzzing" sound on our repeater input. Upon visiting our repeater site, using my FM transceiver I noticed a very strong signal on 443.750 which I understand is the audio sub-carrier for an ATV transmitter operating on 439.25. I can also detect the same sound near our input frequency but much weaker in level. By the way, I'm listening on the input at the base of our repeater site, thus signals I hear in my car are probably much weaker than those the repeater hear. Whenever our "buzz" is present, this same signal exists on 443.750. Likewise, when the 443.750 signal goes away, so does our buzz.

This leads into a few questions:

- 1) What does ATV audio normally sound like if detected on a narrowband FM transceiver?
- 2) Is the buzzing a result of what he uses for modulation. I believe his goal is to get as much RF energy on our repeater input frequency as possible. For all I know he's modulating the audio with a 60Hz square wave.
- 3) What's the bandwidth of a typical ATV audio signal. (I wasn't satisfied with the info in the ARRL Handbook)
- 4) Is it possible for ATV operation on 439.25 to coexist with a high density of repeaters on 440. This is in the New York/New Jersey metropolitan area.

In case one asks, this ATV operation I'm describing is not sanctioned by the local frequency coordination body, i.e., he's not coordinated.

Date: Tue, 12 Oct 1993 17:32:12 GMT

From: pa.dec.com!e2big.mko.dec.com!bayard.mko.dec.com!coolidge@decwrl.dec.com

Subject: idea for ground radials

To: info-hams@ucsd.edu

--

>Scott Ginsburg (ginsburg@wellfleet.COM) wrote:

>

>: Has anyone tried the following idea ...

>: The cable after being chopped up would look something like:

>

>: ----- 34'

>: ----- 23'

>: ----- 16'

>: ----- 11'

>: ----- 8'

>
>Your diagram reminds me of ribbon cable...I wonder if you could do something
>like this with ribbon cable? You could easilly cut off individual
conductors.
>What are the wire guage requirements for ground radials? Ribbon cable is
>usually a pretty small guage.

About 20 years ago, when I was WA2HH0, I obtained a Hy-Gain 18HT Hy-Tower multiband vertical. I was very fortunate to have a large hayfield at my disposal. For radials, I bought about 2000' of #18 Copperweld (remember, it was a LOT cheaper 20 years ago). By sheer luck, Jerry Sevick (W2FMI?) had just published one of his famous articles, and he suggested using radials that were 0.4 wavelength long, as opposed to the conventional notion of 0.25, and he also showed that 0.5 wavelength wasn't worth it.

So, I grabbed a half-moon shaped lawn edging tool and proceeded to put down 12 radials for 80m interspersed with 12 for 40m. (I.e., the 80m radials were at 0, 30, 60, ..., 330 degrees, the 40m radials at 15, 45, 75, ..., 345 deg.) I managed to work Tuvalu on 75 phone the first day it was on the air as an independent country - about an hour after local sunrise in New York. I also worked Mauritius Island on 20 and was 3 S units stronger than a neighbor with a Telrex beam on a 60' tower.

Yes, the ribbon cable is pretty small guage, but if you put enough of them down, the current flowing in each wire will be reduced, and so will the losses caused by the small wire diameter. The radial system is the most important part of a vertical antenna system, as Sevick proved in his QST articles.

73,

Bayard, N1HO
(formerly WA1RQT, WA2HH0, WA4CKI)

Bayard R. Coolidge N1HO DISCLAIMER: The opinions expressed are
Digital Equipment Corp. solely those of the author, and not
Merrimack, New Hampshire, USA those of Digital Equipment Corporation
coolidge@ahlem.mko.dec.com nor any other entity.

"Brake for Moose - It can save your life" - N.H. Fish & Game Dept.

Date: 12 Oct 93 18:45:54 GMT
From: sdd.hp.com!col.hp.com!srgeprp!alanb@hplabs.hpl.hp.com
Subject: I LOVE CW!!!!
To: info-hams@ucsd.edu

Randy Mather (rem@tc.fluke.COM) wrote:

: Did you forget that you can send CW in the "voice" section of the bands??

Yeah, but it's like driving 45 on the freeway -- it's legal but impolite.
By gentlemen's agreement, CW is restricted to the CW bands.

AL N1AL

Date: 12 Oct 93 18:52:20 GMT
From: sdd.hp.com!col.hp.com!srgenprp!alanb@hplabs.hpl.hp.com
Subject: Imminent Death of Ham Radio: 2m HT in Penney's Christmas Catalog
To: info-hams@ucsd.edu

Derrick Cole (cole@concert.net) wrote:

: What irritates me is that the one or two times I've said "break, break" (in
: the guise of calling 911) in my ham-life on a repeater, I have to then ask to
: use the patch, get an acknowledgment, etc, etc. ...

The one time I had to make an emergency call, I used "break emergency."
Worked fine, got an immediate reply. (Good thing too, since my car was
on fire at the time!)

AL N1AL

Date: 12 Oct 93 16:06:56 GMT
From: saimiri.primate.wisc.edu!nntp.msstate.edu!Ra.MsState.Edu!c114@ames.arpa
Subject: Looking for Memphis area hams
To: info-hams@ucsd.edu

I am looking for any one of these hams from the Memphis area. I would like
to get an email address or phone number at least.

W2GLJ - Winford H. Guin (Germantown)
AC4CQ - Stanley L. Moore
KD4FTR - Troy J. King
WB4GIJ - Walter R Heald (Millington)

Please email me if you have any information.

Thanks in advance..
Craig - KC5AUG

--

Craig Lindsey - KC5AUG | My politics are simple: Always go right. If
Internet: c114@ra.msstate.edu| you go left, you can never go right, and if
c114@pcmail.cc.msstate.edu| you go right, you never go wrong. -Grizzard

Date: 12 Oct 93 19:53:24 GMT
From: sdd.hp.com!hpscit.sc.hp.com!cupnews0.cup.hp.com!jholly@hplabs.hpl.hp.com
Subject: Motorola (Another Opinion...)
To: info-hams@ucsd.edu

RICHARD HAREL (RHAREL@FAB8.INTel.COM) wrote:

[stuff deleted]
: software being modified or second sources selling their
: Radio Interface Box (RIB) as much as they are about the
: potential of real criminals copying "codes" from cellular
: phones and making free calls.

My gracious, how can that be? It's illegal to listen to cell phone calls!
How could they be getting those codes...

Jim, WA6SDM
jholly@cup.hp.com

and for the humor impaired ...

#include <smiley.h>

Date: 12 Oct 93 19:12:57 GMT
From: news-mail-gateway@ucsd.edu
Subject: MulitBand Antennas cont'd
To: info-hams@ucsd.edu

>Now we represent that on the Smith chart by a spiral that starts
>at the 1.6:1 constant SWR circle and spirals out to the 2.263:1
>circle as we move 100 feet from the generator. We can now read
>all the handy information about impedances from the chart. No
>big mystery.
>
>Gary Coffman KE4ZV

Gary, you are part of the 99% of the hams who don't understand.
At the end of the chapter on transmission lines in the ARRL Handbook
is a chart that shows the transmission line losses given the SWR at

the transmitter and the SWR AT THE ANTENNA. Your above "solution" is just one of the possibilities. That chart in the Handbook indicates that the range of possible losses in the transmission line with an SWR of 1.6/1 at the transmitter is 2db to 6db corresponding to SWRs of 2.3/1 up to 100/1 and higher AT THE ANTENNA and you cannot tell the difference by SWR measurements at the transmitter end.

100 ft of RG-58 has 2db loss on 17 meters ONLY WITH AN SWR OF 1/1. Take a look at the other chart, the additional loss in db caused by standing waves. The key concept is that you absolutely cannot determine the SWR at the antenna by measuring SWR at the transmitter. With an antenna SWR of 20/1, you will get an additional loss of 5.5 db. Factoring that additional loss into your Smith Chart spiral makes it spiral out to 20:1.

Try it yourself. Terminate 100 ft of RG-58 with a 1000 ohm resistor. SWR at the antenna is 20/1. Measure the SWR at the transmitter end on 17 meters. You will read less than 2/1 just like a G5RV.

73, Cecil, kg7bk@indirect.com

Date: 12 Oct 93 20:52:30 GMT
From: news-mail-gateway@ucsd.edu
Subject: Multi-Length Antenna Radials
To: info-hams@ucsd.edu

>Scott Ginsburg (ginsburg@wellfleet.COM) wrote:
>
>: Has anyone tried the following idea ...
>: The cable after being chopped up would look something like:

(diagram of multi-length radials deleted)

Question: Don't the radial wires have to be spaced a fair distance apart? Otherwise, the capacitance between the wires causes a large undesirable interactive effect on each other?...like a dead short if they're too close?

73, Cecil, kg7bk@indirect.com

I do not speak for Intel on Internet.

Date: 12 Oct 93 18:23:50 GMT
From: ogicse!uwm.edu!vixen.cso.uiuc.edu!newsrelay.iastate.edu!news.iastate.edu!

jdwhite@network.ucsd.edu
Subject: Need info on Kenwood TM-742A Tri-Bander
To: info-hams@ucsd.edu

I'm looking seriously at purchasing a TM-742A with the 10m module for the 3rd band. I've found numerous mod files for the 741 and was wondering if they would also apply to the 742A since the *seem* to be basically the same radio. Anyone know more about this?

- Jason

--
Jason D. White Durham Center Operations Staff
jdwhite@iastate.edu
Iowa State University Packet: n0rwu@????.ia.usa.na
Ames, Iowa Repeater Chairman, Cyclone Amateur Radio Club

Date: 12 Oct 93 08:53:20 GMT
From: ogicse!hp-cv!sdd.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!hpuerca!
edh@network.ucsd.edu
Subject: Newsline #842
To: info-hams@ucsd.edu

In <gradyCEr34E.KM7@netcom.com> grady@netcom.com (Grady Ward) writes:

>It seems to me that the ARRL is going out of its way to pillory
~~~~~

What has QST said to support this contention?

>the Lambda organization: the ARRL is promoting \*their\* social ideal  
~~~~~

Amateur radio? This is a HOBBY, _not_ a "lifestyle".

>at the expense of a social minority and the radio hobby. Does the

How does QST promotion of amateur radio (or even the failure to accept an ad) do anything to the expense of a "social minority" much less the "radio hobby"?

>ARRL disallow ads with the letter "VFW" in it? How about
>"senior citizens", "NRA", "women", or "handicapped"? No?
>Why not? Why do they discriminate against gays?

How is failure to accept an ad equated with discrimination against homosexuals?

>I think the ARRL should get out of the social commentary business
>and run the Lambda ads, just like they run any ads for prospective
>special interest radio nets. The sole criterion should be, as long
>as its legal and non-libelling, "Does it advance the radio hobby?"

A)QST is not in the social commentary business now; others might construe the acceptance of an ad from an admittedly controversial group as getting _into_ the social commentary business.

B)Since homosexuality (or associated practices) IS illegal in most states, I guess you agree they shouldn't take the ads.

C)How does accepting an ad for a homosexual group "advance the radio hobby"?

>Until then, Lambda ought to wield as big a stick as they need to
>get attention of the mule as dense as the ARRL OF's.

No, Lambda ought to take the political agenda elsewhere.

QRZ. Ed Humphries N5RCK

Date: 12 Oct 93 16:40:39 GMT
From: rtech!ingres!garys@decwrl.dec.com
Subject: Newsline #842
To: info-hams@ucsd.edu

In article <gradyCErJA5.1Bo@netcom.com>, grady@netcom.com (Grady Ward) writes:
>Gary Swiger (garys@Ingres.COM) wrote:
>
>: Jewish amateur radio group running adds doesn't bother me - this is not a deviant
>: group. I suppose you wouldn't mind if manbla (another homo group) ran adds to.
>
>I think homophobes are the truly deviant group among
>radio amateurs.

Lets see - the term "homophobic" was created by gays to try to label people who disagree or are offended by their behavior as abnormal and to try to give the appearance of the homosexual behavior as normal. So does this mean a person who disagrees or is offended by child molesters, rapists, or cannibals is a molestiphobic, rapiphobic, or cannibalaphobic?

from one of the endangered - straight, white male...

>

>--
> "PGP," warns Dorothy Denning, a Georgetown University professor
>who has worked closely with the National Security Agency,
>"could potentially become a widespread problem.' -- (E. Dexheimer)
>Grady Ward grady@netcom.com (707) 826-7715 [voice/24 hr FAX]

Date: 12 Oct 93 18:30:07 GMT
From: news.sprintlink.net!clarknet.clark.net!andy@uunet.uu.net
Subject: Repeaters for Princeton, NJ?
To: info-hams@ucsd.edu

I'll be in Princeton, NJ for a couple of days this week. Can't find any 2 meter or 440 repeaters listed in the latest ARRL directory. If you live in or near Princeton, what would be a good bet on either band??

Many thanks - Andy (PS...don't reply after early Thursday, Oct 14, since I will have hit the road by then!

Date: Tue, 12 Oct 1993 17:04:32 GMT
From: sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!darwin.sura.net!
sgiblab!nec-gw!netkeeper!vivaldi!rsd0!usenet@network.ucsd.edu
Subject: SSC 7.0 fax software comments??
To: info-hams@ucsd.edu

In article <CEsB3t.Gro@rym.mro4.dec.com> klimasewski@fccvde.enet.dec.com (My name is...) writes:

>
>
>Anyone using the new Software Systems Consulting 7.0 fax program??
>
>

Ken

I have it. I had numerous problems getting it to run due to problems with the dongle (hardware keylock). John Hoot of SSC was very helpful and sent out two new dongles and an updated copy of the software (7.0i). However, having had it up and running for a week, I have now gone back to V 6.0 which gives better results on my 386. V 7.0 REQUIRES a 486 to give any kind of useful result since the new graphical user interface consumes a bunch of cycles. Don't believe it when the ad says it works under Windows. It will (maybe) on an Intel *6*86, but not on anything less.

V 7.0 does, however, have some nice features such as autotune (for the

digital filters), receiver control, mouse control of the image processing (smoothing, gamma, brightness, pseudocolor) capabilities. Also, unattended operation works much better under V 7.0.

dave

=====

Dave Rogers
M & R Software, Inc.
Internet: dave@rsd.dl.nec.com

If you can't see the sky from where you work it's time to change jobs.

Date: 12 Oct 93 18:06:01 GMT
From: mnemosyne.cs.du.edu!nyx!dsharp@uunet.uu.net
Subject: When is Dayton??
To: info-hams@ucsd.edu

tcline@hplvec.LVLD.HP.COM (Ted Cline) writes:

>----> I encourage a Dayton ham to contact the DARA (Dayton Amateur Radio Association) and post a confirmation for us.

I spoke with a couple DARA members over the weekend, and they confirm that the dates for Hamvention are April 29 - May 1, 1994.

--

| | |
|-----------------------------|------------------------------------|
| Dave Sharp, NU8H | "Eagles may soar, but weasels |
| Dayton, Ohio | don't get sucked into jet engines" |
| Email: dsharp@nyx.cs.du.edu | -Unknown |

Date: Tue, 12 Oct 1993 15:48:47 GMT
From: sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!torn!
news.ccs.queensu.ca!venus!pas@network.ucsd.edu
Subject: Yaesu FT530 AM receive
To: info-hams@ucsd.edu

Hello,

There seems to be a difference in the way the AM receive on my new Yaesu FT530 works compared to that of the instruction booklet.

The instruction booklet says that if you enable AM receive

(key sequence: FM, Set/0, FM, PRI/VFO) that it affects "the entire VHF receiver". Yet I am finding that I seem to be able to store the mode along with the frequency in the memory channels and then scan a mix of AM and FM frequencies. It also seems that one can set both VHF VFO's to one of AM or FM.

I am curious if anyone can add to the explanation on how AM receive works on this fine radio? I would guess the design engineers made an enhancement to the firmware after the documentation was completed...

Thanks,
Peter

Peter A. Stokes _____ Voice & Voice mail: (613) 545-2923
Engineering Applications Support _____ FAX: (613) 548-8104
Canadian Microelectronics Corporation _____ Net: pas@jupiter.ic.cmc.ca
Kingston, Ontario, CANADA _____ Radio: VE3ZXT

Date: 12 Oct 93 15:35:11 GMT
From: pacbell.com!amdahl!JUTS!arl00@network.ucsd.edu
To: info-hams@ucsd.edu

References <2533@indep1.UUCP>, <1993Oct10.144026.4994@mulvey.com>, <2544@indep1.UUCP>~
Reply-To : arl00@JUTS.ccc.amdahl.com (Arlan R Levitan)
Subject : Re: Imminent Death of Ham Radio: 2m HT in Penney's Christmas Catalog

In article <2544@indep1.UUCP> clifto@indep1.UUCP (Cliff Sharp) writes:
>In article <1993Oct10.144026.4994@mulvey.com> rich@mulvey.com writes:
>:Cliff Sharp (clifto@indep1.UUCP) wrote:
>:: SO many CBers bought them that two meters here became a wreck. In fact,
>:: it appears to be the cause of a "nonstandard" operating mode in the
>:: Chicago area; if one wants to break into a conversation, the convention
>:: is not to say "break", it's to sign with your call. This was to make
>:: sure the breaker HAD a call.
>:

For what it's worth, the latest pool for the Technician license contains a question that deals directly with this issue. The correct answer is given as signing with callsign rather than "break". Sounds pretty standard to me.

Date: 12 Oct 93 17:25:00 GMT
From: hayes!bcoleman@uunet.uu.net
To: info-hams@ucsd.edu

References <28a7un\$jf8@news.yzu.edu>, <931002.185416.104.rusnews.w165w@hades.cdp.org>, <2524@indep1.UUCP>
Subject : Re: New Products Announcement: BFH-1 & BFH-2

In article <2524@indep1.UUCP>, clifto@indep1.UUCP (Cliff Sharp) writes:

>
> I always get a kick out of explaining it. I look the questioner in the
> eye and say "BFH means 'big hammer'." They stare blankly for a second, then
> smile broadly... usually. If they ask about the "F", I tell them to use
> their imagination... so far that's worked.

In the computer industry, we have a similar saying: RTFM. "Read the manual."

The "F" is uh, er, silent.

--
Bill Coleman, AA4LR ! CIS: 76067,2327 AppleLink: D1958
Principal Software Engineer ! Packet Radio: AA4LR @ W4QO
Hayes Microcomputer Products, Inc. ! UUCP: uunet!hayes!bcoleman
POB 105203 Atlanta, GA 30348 USA ! Internet: bcoleman%hayes@uunet.uu.net
Disclaimer: "My employer doesn't pay me to have opinions."
Quote: "The same light shines on vineyards that makes deserts." -Steve Hackett.

Date: 12 Oct 93 16:55:06 GMT
From: rtech!ingres!garys@decwrl.dec.com
To: info-hams@ucsd.edu

References <1993Oct11.180201.15054@pony.ingres.com>, <jfhCEr30t.8Fo@netcom.com>, <CErqz9.IFr@news.Hawaii.Edu>dec
Reply-To : garys@Ingres.COM (Gary Swiger)
Subject : Re: Homonauseated (Was: Newsline #842)

In article <CErqz9.IFr@news.Hawaii.Edu>, jherman@uhunix3.uhcc.Hawaii.Edu (Jeff Herman) writes:

>In article <jfhCEr30t.8Fo@netcom.com> jfh@netcom.com (Jack Hamilton) writes:

>>garys@Ingres.COM (Gary Swiger) wrote:

>>

>>>I think it's a sad day for Amateur Radio when any special interest group tries
>>to use Amateur Radio as a platform to promote their ideals - this is not the
>>purpose of Amateur Radio...

>>

>>All Lamda wanted to do was to take out an ad. Do you object to QST running

>>ads by the Jewish amateur radio group?
>>
>>--
>>
>>-----
>>Jack Hamilton POB 281107 SF CA 94128 USA
>>jfh@netcom.com kd6ttl@w6pw.#nocal.ca.us.na
>
>But no one is nauseated by the activities of Jewish amateurs, VFW
>amateurs, NRA amateurs, Viet Nam Vet amateurs, ...
>
>If you want to attach a label to me, homophobic is not correct, for
>I do not fear homosexuals; homonauseated or homodisgusted would be
>much more accurate.
>

Right to the point - thanks Jeff... from one of the endangered species

STRAIGHT WHITE MALE
Gary KE6BYU

Lets keep amateur free from political/social agendas and engineering...

>Jeff NH6IL (back when this country had higher morals: WA6QIJ)

End of Info-Hams Digest V93 #1215
